EMPLOYMENT OPPORTUNITY

CHIEF, Pharmacokinetics Branch
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Experimental Toxicology Division
Pharmacokinetics Branch
Research Triangle Park, North Carolina

The U.S. Environmental Protection Agency is seeking an established scientist to lead its nationally recognized Pharmacokinetics Branch in the Experimental Toxicology Division, National Health and Environmental Effects Research Laboratory, Research Triangle Park, NC (http://www.epa.gov/nheerl/etd/). The Branch is responsible for planning and conducting a comprehensive research program focused on understanding and describing the fate and disposition of chemicals in the body and ultimately developing quantitative models for extrapolation/prediction in the context of the Agency s risk assessment activities. The successful applicant will have a unique opportunity in collaboration with Branch investigators to develop and manage innovative research strategies to extrapolate xenobiotic exposure from animal to human effects. He/she will work with multidisciplinary research teams at EPA as well as area universities who share an interest in developing PBPK/dose-response models and other methods for enhancing our knowledge of the health effects of xenobiotics and improving risk assessment methods. The position includes significant administrative and management responsibilities. Working with other Division managers, the incumbent will provide scientific and managerial leadership of the program, facilitate program development to meet the mission-oriented needs of the EPA, present the program to EPA and non-EPA audiences, develop and manage budgets and related resources, and supervise the staff.

As Branch Chief, we seek an individual who is a competent research leader/science administrator/manager as demonstrated by: the conception and formulation of productive research programs; administrative supervision, management and support of Ph.D.-level scientists who conduct independent and team-oriented research; budget management experience; and substantial peer reviewed publications in pharmacokinetics/pharmacodynamics or related areas. Experience in one or more areas of pharmacokinetics including physiologically based-pharmacokinetic (PBPK) and mechanistic modeling, characterization and analysis of xenobiotic distribution, absorption, metabolism, and elimination in biological systems (both in vivo and in vitro) is desirable. **The preferred candidate would possess an advanced degree in pharmacology, toxicology, mathematics, engineering, physical/biological sciences or a closely related field**. **Eligible candidates must be U.S. citizens.** This is a permanent, full-time position. The position will be filled at the GS 14/15 level with an annual salary range of $76,271 to $116,633 commensurate with qualifications. The selected candidate will be eligible for a full benefits package, including relocation expenses, health insurance, life insurance, retirement, and vacation and sick leave benefits.

HOW TO APPLY: Vacancy announcement and application instructions will be posted on the U.S. Office of Personnel Management (OPM) web site at http://www.usajobs.opm.gov/a9epa.htm as of 03-18-2002 under announcement number **RTP-DE-2002-0098**. The application deadline is 05-31-2002.

The U.S. EPA is an equal employment opportunity employer.

UMDNJ
University of Medicine & Dentistry of New Jersey

THE STATE UNIVERSITY OF NEW JERSEY
RUTGERS

DIRECTOR, ENVIRONMENTAL AND OCCUPATIONAL HEALTH SCIENCES INSTITUTE

Piscataway, New Jersey

Jointly sponsored by the University of Medicine and Dentistry of New Jersey – Robert Wood Johnson Medical School and Rutgers, The State University of New Jersey, the Environmental and Occupational Health Sciences Institute (EOHSI) seeks a Director and invites nominations and expressions of interest.

The Environmental and Occupational Health Sciences Institute was founded in 1986 as an interdisciplinary research institute with the mission to conduct scientific research, train health professionals and communicate its findings to professional and lay groups. It addresses environmental issues of significance to New Jersey, the nation and the world and has achieved national and international prominence for its success. It is a National Institute of Environmental Health Sciences Center of Excellence and has recently been designated as a NIEHS/EPA Center for Childhood Neurotoxicology and Exposure Assessment. It has six multi-disciplinary divisions: Environmental Health, Environmental Policy, Exposure Measurement and Assessment, Occupational Health, Public Education and Risk Communication and Toxicology. It now attracts $35 million annually in extramural funding and is housed in a dedicated 75,000 square foot state-of-the-art building. The nearly 100 faculty affiliated with the Institute have academic appointments at the UMDNJ-Robert Wood Johnson Medical School, the UMDNJ School of Public Health or at Rutgers University.

The Director will
- shape and drive a strong research agenda tied to the multi-disciplinary mission of the Institute
- lead and manage the faculty and staff whose efforts result in knowledge, education and communication of environmental impacts on public health
- recruit and retain colleagues who can extend the standard of excellence of the work of the Institute
- plan and direct the supporting infrastructure
- develop partnerships in the universities, with healthcare institutions, with public and private organizations and in the community.

The Director will be a nationally recognized, dynamic scientist and leader with experience in a complex university/medical school environment. S/he will be a demonstrably strong manager with understanding of academic financial issues. S/he will report to the Joint Managers, appointed by the presidents of the two universities, and will work collaboratively with the leadership of both universities. The Director will show significant success in attracting support and effectiveness in enhancing an institution's national visibility. An earned doctorate in an appropriate field is required as is a superb record of research. Excellent communication skills are essential. Salary is competitive and commensurate with qualifications and experience.

The search is underway and will continue until the position is filled. Expressions of interest and nominations should be sent, in confidence, to Mary Elizabeth Taylor, Witt/Kieffer, 780 Third Avenue, 38th Floor, New York, NY 10017 or to EOHSI@wittkieffer.com. The University of Medicine and Dentistry of New Jersey and Rutgers University are both affirmative action and equal opportunity employers. Witt/Kieffer, an executive search firm focusing on health care and higher education, is supporting both universities in this search.

Educational Management Network/Witt/Kieffer

The National Institute of Environmental Health Sciences and the National Toxicology Program

Dedicated to combating environment related diseases by studying the effects of environmental exposures on human health…

Challenging Work… By Diverse People… In a State-of-the-Art Facility

Exciting Postdoctoral Training Opportunities Available…

Action and Function of PPARs and Nuclear Orphan Receptors
Anton M. Jetten, Ph.D. (jetten@niehs.nih.gov)

Cyclooxgenases, NSAID's and Cancer
Robert Langenbach, Ph.D. (langenb1@niehs.nih.gov)

Development and Function of Male Germ Cells
E.M. Eddy, Ph.D. (eddy@niehs.nih.gov)

DNA Polymerase Fidelity
John W. Drake, Ph.D. (drake@niehs.nih.gov)

DNA Replication Fidelity/DNA Mismatch Repair
Thomas A Kunkel, Ph.D. (kunkel@niehs.nih.gov)

Eicosanoid Biochemistry
Thomas Eling, Ph.D. (eling@niehs.nih.gov)

Functions of Heterotrimeric G Proteins: Biochemistry and Gene Inactivation
Lutz Birnbaumer, Ph.D. (birnbau1@niehs.nih.gov)

Glucocorticoid and Orphan Nuclear Receptor Action
John Cidlowski, Ph.D. (cidlowski@niehs.nih.gov)

Lipid Mediators (Eicosanoids) in Cardiovascular Function
Darryl C. Zeldin, M.D. (zeldin@niehs.nih.gov)

Mechanisms of Cell Adhesion and Migration
Steven Akiyama, Ph.D. (akiyama@niehs.nih.gov)

Mechanisms of Chemical-Induced Carcinogenesis
Burhan Ghanayem, Ph.D. (ghanayem@niehs.nih.gov)

Mechanisms of Glia-Mediated Neurodegeneration
J.S. Hong, Ph.D. (hong3@niehs.nih.gov)

Mechanisms of Regulation of Apoptosis
John Cidlowski, Ph.D. (cidlowski@niehs.nih.gov)

Microchimerism in the Pathogenesis of Myositis and Other Autoimmune Conditions"
miller19@niehs.nih.gov

Neuroendocrinology
korach@niehs.nih.gov

Protein Mass Spectrometry
Kenneth Tomer, Ph.D. (tomer@niehs.nih.gov)

Receptor Trafficking and Mechanism of G Protein Activation
Mariel Birnbaumer, Ph.D. (birnbau2@niehs.nih.gov)

Regulation of Signal Transduction Pathways by Adaptor Proteins
John O'Bryan, Ph.D. (obryan@niehs.nih.gov)

Role of Mammalian Base Excision DNA Repair
Samuel H. Wilson, M.D. (wilson5@niehs.nih.gov)

Signal Transduction by Inositol Phosphates
Stephen Shears, Ph.D. (shears@niehs.nih.gov)

Stress Induced Signaling Pathways
Elizabeth Murphy, Ph.D. (murphy1@niehs.nih.gov)

Structure and Function of Mammalian DNA Polymerases
Samuel H. Wilson, M.D. (wilson5@niehs.nih.gov)

Structure and Function of Voltage-Independent, TRP-Based Cation Channels
Lutz Birnbaumer, Ph.D. (birnbau1@niehs.nih.gov)

Synapse Development and Plasticity
Serene M. Dudek, Ph.D. (dudek@niehs.nih.gov)

Telomeric Chromatin Structure
James Mason, Ph.D. (masonj@niehs.nih.gov)

X-Ray Crystallography of Protein-RNA Complexes
Traci M.T. Hall, Ph.D. (hall4@niehs.nih.gov)

Visit NIEHS at http://www.niehs.nih.gov or our vacancy website at http://www.niehs.nih.gov/vacancy/vacancy.htm

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES, NATIONAL INSTITUTES OF HEALTH
P.O. BOX 12233, RESEARCH TRIANGLE PARK, NC 27709-2233

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NIEHS Laboratory of Signal Transduction

G-protein coupled receptor structural studies (HNV 02-13)

A postdoctoral position is available to study the spatial structure of a G protein coupled receptor applying biochemical and biophysical techniques. The position is in the laboratory of Dr. Mariel Birnbaumer. Appropriate reactive sites shall be introduced into the receptor protein by site-directed mutagenesis, and the proximity of the transmembrane domains and portions of the intracellular loops will be examined by derivatization of the protein with reagents capable of generating fluorescent or paramagnetic signals. Mild receptor proteolysis shall contribute additional data to these studies. Expertise in molecular biology, biochemistry or cell biology are desirable.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Mariel Birnbaumer, Laboratory of Signal Transduction, F2-01, (919) 541-1433, e-mail: birnbau2@niehs.nih.gov

NIEHS Laboratory of Molecular Carcinogenesis

Molecular Toxicology and Carcinogenesis (HNV 00-23)

A postdoctoral position is available in the Molecular Toxicology Group to investigate molecular alterations and gene expression changes during liver and lung chemical carcinogenesis in mouse models. Particular emphasis is on oxidative stress mechanisms involved following treatment with nongenotoxic carcinogens. Current projects include cDNA microarray analysis of livers after carcinogenic doses of nongenotoxic carcinogens, related studies on markers of oxidative stress, and studies on the role of beta-catenin and Wnt signaling in mouse liver carcinogenesis. The overall work environment is highly interactive, and there are excellent analytical and other support services. Extensive experience in molecular biology and biochemistry is required. Applicants must have a Ph.D.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Theodora R. Devereux, Laboratory of Molecular Carcinogenesis, MD D4-04, 919-541-3241, fax: 919-316-4620, e-mail: devereux@niehs.nih.gov

NIEHS Laboratory of Molecular Carcinogenesis

Molecular Epidemiology of DNA Repair Genotype, Phenotype, and Mutation in Cancer (HNV02-03)

A Molecular Biology Fellowship position is available to investigate the role of human variation in DNA repair on cancer risk. Studies will examine the correlation between DNA repair phenotype, repair gene polymorphisms, and mutation frequency in preneoplastic and normal tissue. Research will focus on applying phenotypic measures of DNA repair capacity in specimens from epidemiologic studies of cancer patients and controls. A large collection of well-characterized biological samples is available with detailed genotypic information. Experience with Comet, Host Cell Reactivation, Chromosomal Break, or other measures of DNA repair is desirable. This position features opportunities for interdisciplinary training in the rapidly expanding field of molecular epidemiology. Excellent resources, equipment, supplies, and opportunities for training and development are available.

Applicants must have a Ph.D. and/or M.D. or equivalent degree in molecular biology, cell biology, biochemistry, genetics, or related field, and must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Jack A. Taylor, Laboratory of Molecular Carcinogenesis, MD A3-05, 919-541-4631, fax: 919-541-2511, e-mail: taylor@niehs.nih.gov

NIEHS Eicosanoid Biochemistry Section

Eicosanoid Biochemistry Section (HNV02-04)

The Eicosanoid Biochemistry Section has a postdoctoral position available to delineate the mechanisms responsible for the anticarcinogenic activity of NSAIDs (COX inhibitors) and carcinogenesis associated with aberrant expression of COX and lipoxygenase. Emphasis is placed on alternation in gene expression by COX inhibitors as measured by microarray and differential expression and the use of transgenic mice that express either COX-2 or the antitumorigenic protein NAG-1 (Mol. Pharm. 59,901, 2001).

Applicants must have a Ph.D. in molecular biology, cell biology, biochemistry, toxicology, or related field, and must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Thomas Eling, Eicosanoid Biochemistry Section, MD E4-09, 919-541-3911, fax: 919-541-0146, e-mail: eling@niehs.nih.gov

NIEHS Laboratory of Signal Transduction

Signal Transduction by Inositol Phosphates (HNV01-21)

A position is available for a molecular biologist with experience in cell culture and a particular interest in transgenics. Experience with viral transfection systems is a plus. As well as furthering our understanding of the roles of inositol phosphate phosphatases in cell biology, transgenic animals with altered expression of these enzymes have commercial potential. The successful candidate will participate in a collaborative effort between Dr. Steve Shears at the NIEHS and Dr. Jim Petitte at NC State.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Stephen B. Shears, Laboratory of Signal Transduction, MD F2-06, 919-541-1898, fax: 919-541-0793, e-mail: shears@niehs.nih.gov

NIEHS Laboratory of Molecular Genetics

Telomeric Chromatin Structure (HNV02-06)

Two postdoctoral positions are available to investigate chromatin structure at *Drosophila* telomeres. Studies will examine nucleosome modification and positioning using mutations that specifically relieve telomeric silencing, as well as interactions of proteins encoded by genes identified by these mutations. Candidates should have a broad and deep knowledge of molecular biology with an emphasis on protein biochemistry and/or chromatin structure. Knowledge of *Drosophila* genetics will also be advantageous.

Applicants must have a Ph.D. and/or M.D. or equivalent and must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: James M. Mason, Laboratory of Molecular Genetics, MD D3-06, 919-541-4483, fax: 919-541-7593, e-mail: masonj@niehs.nih.gov